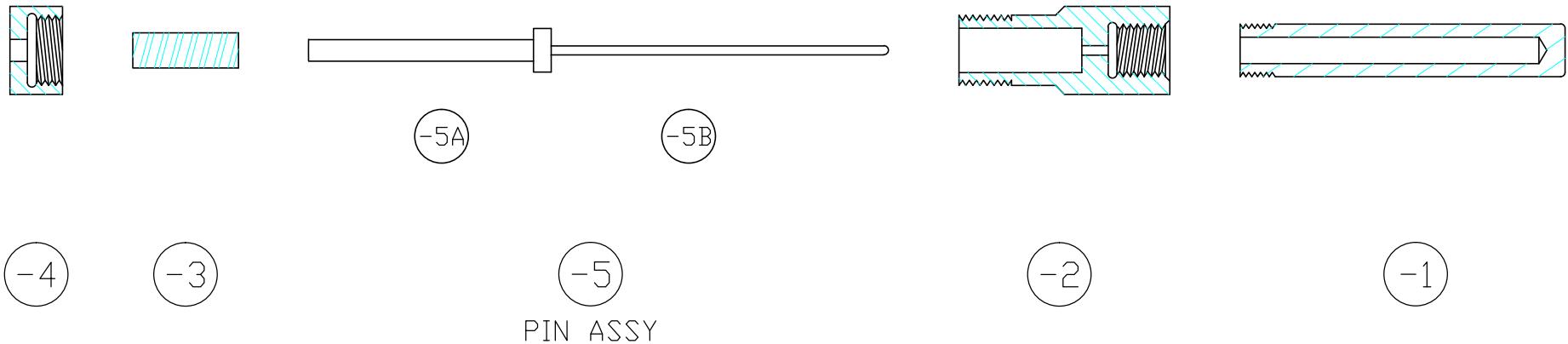


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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPR
1	NOTES REVISED, NOTES ADDED	1-8-63	ETL-344 -
2	REDRAWN - CAD FORMAT	4-18-03	-
3	UPDATED TITLEBLOCK & REVISION BLOCK, LABELED SECTION VIEWS A,B,C, CH'D DWG. NO. FROM 6795582, CH'D P/N -5A R7.0 TO .060.	6/29/09	RJC -
4	RE-SIZED AND REARRANGED DIMENSIONS & ADDED -5 TO BOM. CHANGED -4 & -2 THREAD TOL. FROM .001 TO .003.	9/14/09	WP -



NOTE:

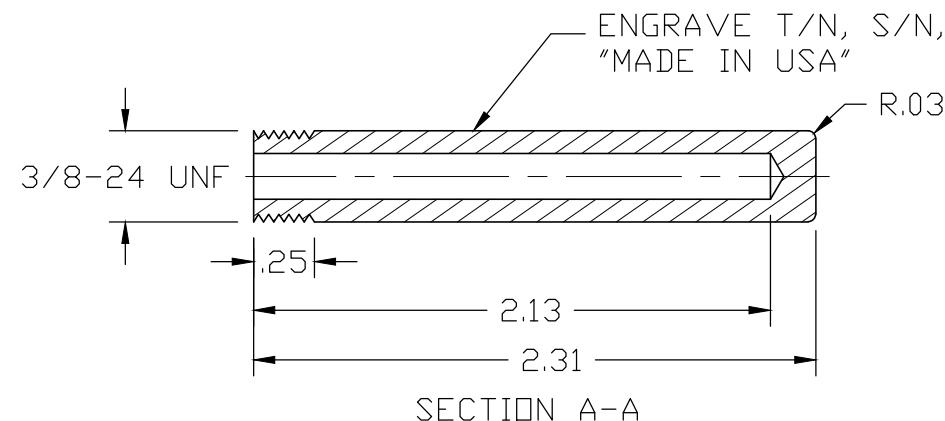
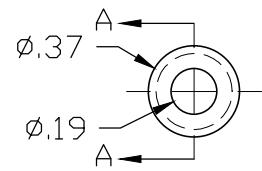
1. -5 PIN ASSEMBLY MUST BE FREE FROM BINDING WITH -2 WHEN ASSEMBLED.

ASSY QTY	ASSY QTY	B/D	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/D INFORMATION OR SPECIFICATIONS	Pg
			-1	1	PROTECTIVE CAP	1020 or STRESS PROOF	$\varnothing 3/8 \times 2-1/2$	2
			-2	1	HOUSING	41L40	$\varnothing 5/8 \times 1-5/8$	3
			-3	1	SPRING	STEEL	REID S-770, MSC 00602912 OR SIMILAR	1
			-4	1	CAP	1020 or STRESS PROOF	$\varnothing 5/8 \times 3/8$	2
X			-5	1	PIN WELDMENT			5
1			-5A		PIN HANDLE	4140	$\varnothing 5/16 \times 1-3/4$	5
1			-5B		DRILL ROD	-	$.0625 \times 2-1/2$	5
ASSY -5								

<b>RB RED BARN MACHINE</b>	
TITLE: ROTOR TIE BOLT STRETCH TOOL	
DWG NO.	RB6795582
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS XXX ± .005 FRACTIONS ± 1/32 ANGLES ± 5°	
HEAT TREAT FINISH SPEC BLACK OXIDE	
USED ON MODEL ROLLS ROYCE 250 SERIE	
1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R T63-A-5, YT63-A-5,3,	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	NTS
DATE	4-18-03
SHEET	1 of 5

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
1	NOTES REVISED, NOTES ADDED	1-8-63	ETL-344 -
2	REDRAWN - CAD FORMAT	4-18-03	- -
3	UPDATED TITLEBLOCK & REVISION BLOCK, LABELED SECTION VIEWS A,B,C, CH'D DWG. NO. FROM 6795582, CH'D P/N -5A R7.0 TO .060.	6/29/09	RJC -
4	RE-SIZED AND REARRANGED DIMENSIONS & ADDED -5 TO BOM.	9/14/09	WP -



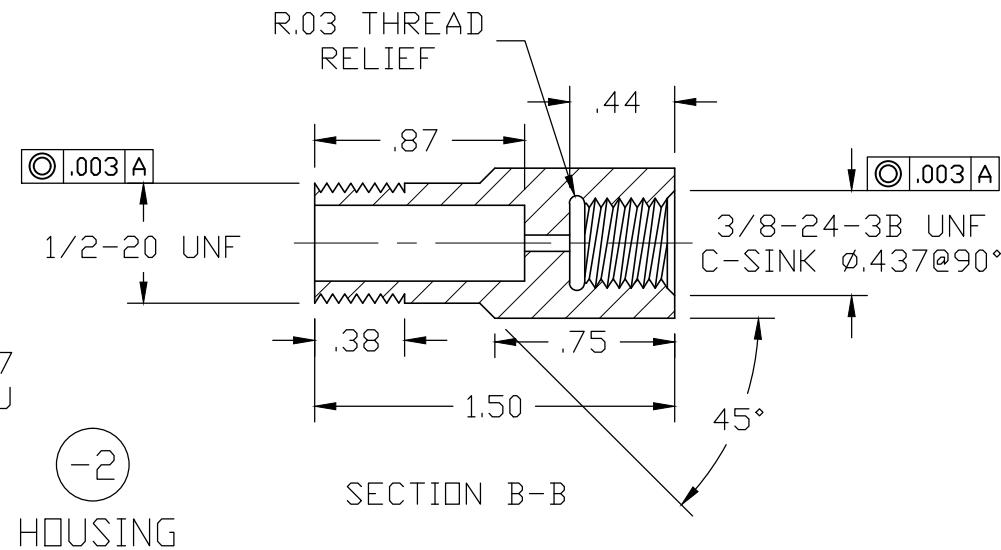
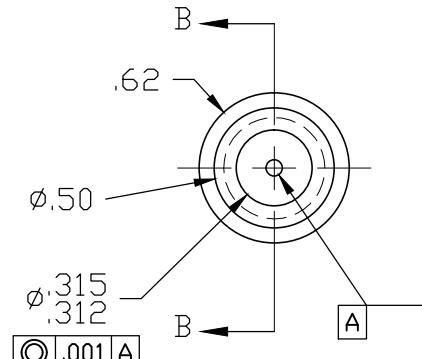
(-1)

PROTECTIVE CAP

RED BARN MACHINE	
TITLE	
ROTOR TIE BOLT STRETCH TOOL	
DWG NO.	RB6795582-1
REV	4
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS XXX ± .005 FRACTIONS ± 1/32	
XX ± .01 ANGLES ± .5°	
X ± .1	
HEAT TREAT	
FINISH SPEC BLACK OXIDE	
USED ON MODEL	
ROLLS ROYCE 250 SERIES	
T63-A-5, YT63-A-5,3,1	
SCALE	NTS
DATE	4-18-03
SHEET	2 of 5

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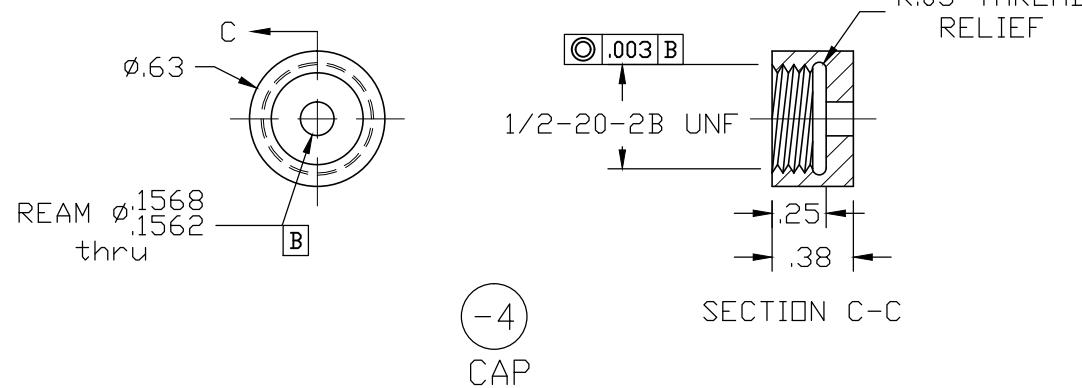
REVISIONS		DATE	INITIAL	APPROVED
REV	DESCRIPTION			
1	NOTES REVISED, NOTES ADDED	1-8-63	ETL-344	-
2	REDRAWN - CAD FORMAT	4-18-03	-	-
3	UPDATED TITLEBLOCK & REVISION BLOCK, LABELED SECTION VIEWS A,B,C, CH'D DWG. NO. FROM 6795582, CH'D P/N -5A R7.0 TO .060.	6/29/09	RJC	-
4	RE-SIZED AND REARRANGED DIMENSIONS & ADDED -5 TO BOM. CHANGED -2 THREAD TOL. FROM .001 TO .003.	9/14/09	WP	-



RED BARN MACHINE	
TITLE	
ROTOR TIE BOLT STRETCH TOOL	
DWG NO.	REV 4
RB6795582-2	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	APPROVED
XXX ± .005	COLE
XX ± .01	HEAT TREAT 32 - 36 Rc
X ± .1	FINISH BLACK OXIDE
SPEC USED ON MODEL	
ROLLS ROYCE 250 SERIES	
T63-A-5, YT63-A-5,3,1	
SCALE	NTS
DATE	4-18-03
SHEET	3 of 5

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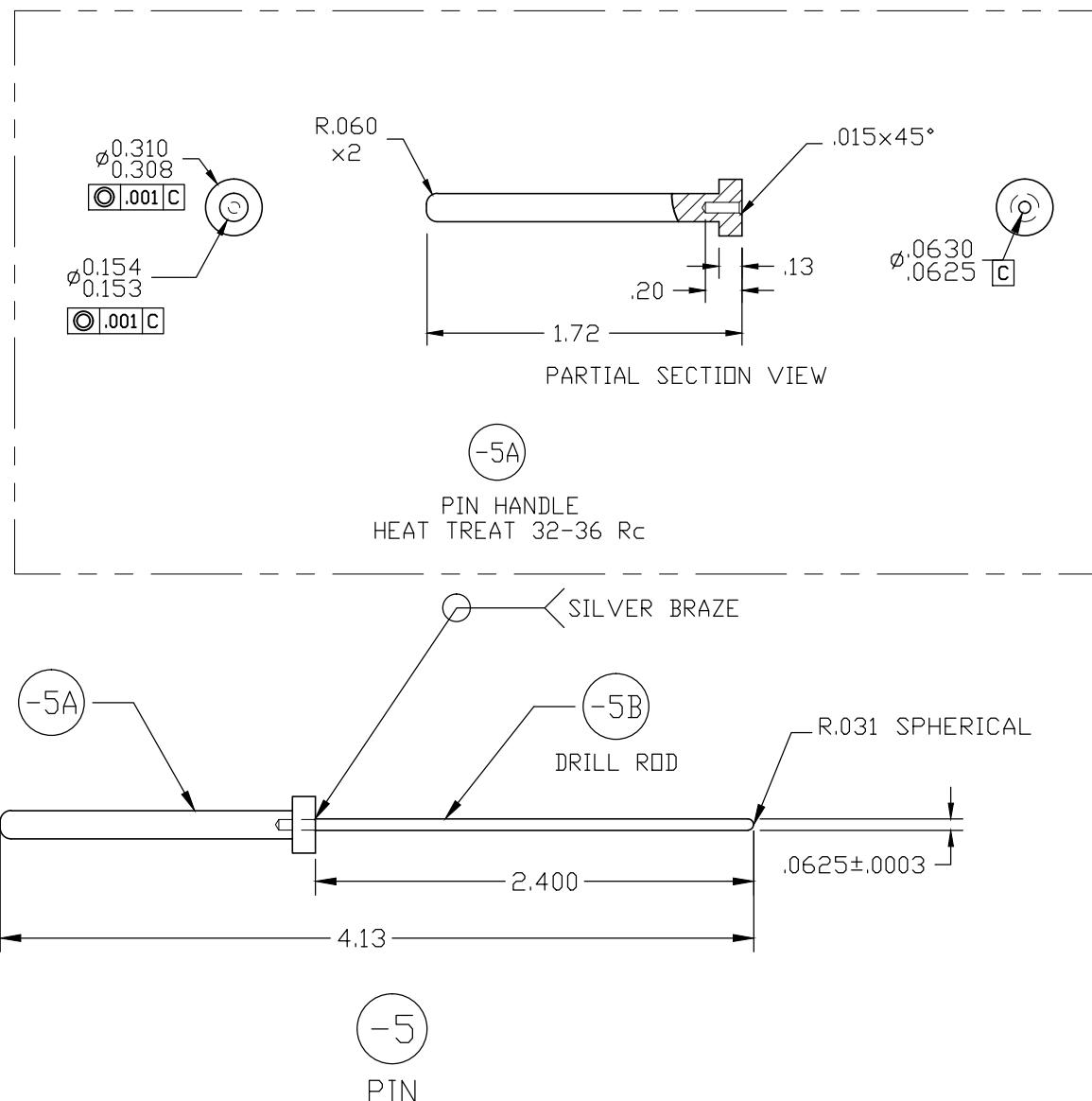
REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
1	NOTES REVISED, NOTES ADDED	1-8-63	ETL-344 -
2	REDRAWN - CAD FORMAT	4-18-03	- -
3	UPDATED TITLEBLOCK & REVISION BLOCK, LABELED SECTION VIEWS A,B,C, CH'D DWG. NO. FROM 6795582 CH'D P/N -5A R7.0 TO .060.	6/29/09	RJC -
4	RE-SIZED AND REARRANGED DIMENSIONS & ADDED -5 TO BOM. CHANGED -4 THREAD TOL. FROM .001 TO .003.	9/14/09	WP -



RED BARN MACHINE	
TITLE	
ROTOR TIE BOLT STRETCH TOOL	
DWG NO.	RB6795582-4
REV	4
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS XXX ± .005 FRACTIONS ± 1/32	
XX ± .01 ANGLES ± 5°	
X ± .1	
HEAT TREAT	
FINISH SPEC BLACK OXIDE	
USED ON MODEL	
ROLLS ROYCE 250 SERIES	
T63-A-5, YT63-A-5,3,1	
SCALE	NTS
DATE	4-18-03
SHEET	4 of 5

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REV		DESCRIPTION	DATE	INITIAL	APPROVED
1		NOTES REVISED, NOTES ADDED	1-8-63	ETL-344	-
2		REDRAWN - CAD FORMAT	4-18-03	-	-
3		UPDATED TITLEBLOCK & REVISION BLOCK, LABELED SECTION VIEWS A,B,C, CH'D DWG. NO. FROM 6795582, CH'D P/N -5A R7.0 TO .060.	6/29/09	RJC	-
4		RE-SIZED AND REARRANGED DIMENSIONS & ADDED -5 TO BOM.	9/14/09	WP	-



- NOTES
1. Ø.153-.154, Ø.308-.310 & Ø.0625  $\frac{1}{2}$  FROM SHOULDER MUST BE CONCENTRIC WITHIN .001

<b>RB RED BARN MACHINE</b>	
<b>TITLE</b>	
<b>ROTOR TIE BOLT STRETCH TOOL</b>	
<b>DWG NO.</b>	<b>REV</b>
<b>RB6795582-5</b>	<b>4</b>
<b>UNLESS OTHERWISE SPECIFIED</b>	
<b>DIMENSIONS ARE IN INCHES</b>	
<b>TOLERANCES ON:</b>	
<b>DECIMALS</b>	
<b>XXX <math>\pm</math> .005</b>	<b>FRACTIONS <math>\pm</math> 1/32</b>
<b>XX <math>\pm</math> .01</b>	<b>ANGLES <math>\pm</math> 5°</b>
<b>X <math>\pm</math> .1</b>	
<b>UNLESS OTHERWISE SPECIFIED</b>	
<b>1. BREAK ALL SHARP EDGES</b>	
<b>.015 x 45° PR .015 R</b>	
<b>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</b>	
<b>SCALE</b>	<b>NTS</b>
<b>DATE</b>	<b>4-18-03</b>
<b> SHEET</b>	<b>5 of 5</b>

REV	DESCRIPTION	DATE	APPROVED

NOT APPROVED FOR PRODUCTION

**SECTION A-A**

**SECTION C-C**

**REAM 41568 thru 41562**

**CAP**

**REVISIONS**

**SECTION B-B**

**1/2-20 UNF**

**R.03 THREAD RELIEF**

**.44**

**.003A**

**3/8-24-3B UNF C-SINK Ø.437090\***

**.38**

**.75**

**45°**

**PARTIAL SECTION VIEW**

**1.72**

**.20**

**.13**

**.015x45°**

**.0630**

**.0625**

**R.060**

**.031**

**.030**

**.001C**

**(-5A)**

**PIN HANDLE HEAT TREAT 32-36 Rc**

**SILVER BRAZE**

**R.031 SPHERICAL**

**DRILL ROD**

**2.400**

**.0625+.0003**

**4.13**

**(-5B)**

**DRAWN BY:** COLE

**CHECKED:**

**HEAT TREAT:**

**FINISH SPEC:**

**USED ON MODEL:** ?

**UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES**

**TOLERANCES ON:** DECIMALS  $\pm .010$ , FRACTIONS  $\pm 1/32$ ; ANGLES  $\pm 5^\circ$

**UNLESS OTHERWISE SPECIFIED:**

1. BREAK ALL SHARP EDGES
- .015 x 45° PR .015 R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

**RB RED BARN MACHINE**

**TITLE:**

**DWG NO.**

**SCALE:** NTS    **DATE:** 4-18-02    **SHEET:** 1 of 1